

	Identification	Patent and Safe Deposit	Microorganisms
			
			Plant Viruses
			Plant Cell Lines

Search

[Advanced Search](#)

23132/87

[» Cell Line Index](#)[» Prices](#)[» Ordering Procedure](#)[» Patent Deposit](#)[» Safe Deposit](#)[» Scientific Services](#)[» Quality Control](#)[» Background Information](#)[» Publications](#)[» Head of Department](#)[» Staff](#)[» FAQ](#)[» Download](#)[»](#)

Cell line: 23132/87

Cell type: human gastric adenocarcinoma

DSMZ no.: ACC 201

Origin: established from the primary tumor of a 72-year-old man with gastric adenocarcinoma in 1987

References: Vollmers et al., Virchows Arch B Cell Pathol Incl Mol Pathol 63: 335-; PubMed ID [8100658](#)

Depositor: Dr. H. P. Vollmers, Institute for Pathology, Würzburg, Germany

DSMZ Cell Culture Data

Morphology: adherent epithelial cells growing as confluent monolayers

Medium: 90% RPMI 1640 + 10% FBS

Subculture: split confluent culture 1:8 every 5-6 days using trypsin/EDTA; seed 10⁶/25 cm² flask; initially after thawing, cells may grow slowly and I adherentIncubation: at 37 °C with 5% CO₂

Doubling time: about 50 hours

Harvest: cell harvest of about 0.3 x 10⁶ cells/cm²Storage: frozen with 70% medium, 20% FBS, 10% DMSO at about 1-3 x 10⁶**DSMZ Scientific Data**

Mycoplasma: contamination was eliminated with Ciprofloxacin, then negative microbiological culture, RNA hybridization assays

Immunology: cytokeratin +, cytokeratin-7 +, cytokeratin-8 +, cytokeratin-17 +, c +, desmin -, endothel -, GFAP -, neurofilament -, vimentin -; (initially published by the originators showed negativity, we found the cells to be cytokeratin-7)

Fingerprint: multiplex PCR of minisatellite markers revealed a unique DNA profile

Species: confirmed as human with IEF of AST, MDH

Cytogenetics: human hypertetraploid karyotype with 12% polyploidy - 47(45-52) < (1;15)(p11;p11), t(6;12) (p21;q21), i(13q), t(13;14)(p10;q10) - closely resembles published karyotype

Molec. Genetics:

Viruses: ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HIV -, HTLV-I/II -

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